(c) NTPC proposes to finance the project with a debt-equity ratio of 70:30 from market borrowings, external commercial borrowing and the internal resources of the company. The project has also been posed to the World Bank for part financing under the time-slice loan.

(d) and (e) Yes, Sir. The Tamil Nadu State Electricity Board desired 95 MW of power Kayamkulam project, but has not signed a Power Purchase Agreement on the same lines as signed by the Kerala State Electrtcity Board. Therefore, it is proposed to supply full power from this project to Kerala.

**Rengali Hydro-Electric Project**

3470. SHRI RAHASBIHARI BARIK: Will the Minister of POWER be pleased to state:

(a) whether the Rengali Hydro-Electric Project has been completed;

(b) if so, how many units of that project have been commissioned so far;

(c) the capacity of that project; and

(d) the steps taken to make that project feasible for secondary generation of power?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI URMILABEN CHIMANBHAI PATEL): (a) to (d) Two units of Rengali Hpdro-electric Project Stage-I (2X50 MW) were commissioned in August 1985 and March 1986. Subsequently three more units each of 50 MW under Rengali Stage-II were commissioned in August 1989, March 1990 and August 1992 respectively. Average secondary energy generation is 225 Gwh per annum from Rengali Hydro-electric Project.

**Target set for generation of power**

3471. SHRI BHAGABAN MAJHI: Will the Minister of POWER be pleased to state:

(a) whether the Central Electricity Authority (CEA) has set higher target for the generation of power during 1992-97;

(b) if so, the details thereof; and

(c) the achievement made so far, the year-wise details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI URMILABEN CHIMANBHAI PATEL): (a) and (b) The capacity addition target fixed for the Eighth Plan is 30337.7 MW against which, as per the latest assessment of the Central Electricity Authority, 20729.7 MW of new generation capacity is expected to be added during the plan period.

(c) The year-wise details of achtevement made so far are given below:-

| Year | Achievement(MW) |
|---|---|
| 1992-93 | 3537.27 |
| 1993-94 | 4538.75 |
| 1994-95 | 4598.50 |

**Execution of Power Projects**

3472. SHRI GHUFRAN AZAM: Will the Minister of POWER be pleased to to state:

(a) the details of power plants with their locations projected for execution and generation of electrtcity during the next three years;

(b) whether it is a fact that CEA has been delaying the process of identification of projects due to one or the other reasons; and

(c) if so, the facts and details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI URMILABEN CHIMANBHAI PATEL): (a) Details are given at Statement (*See* below).

(b) and (c) There has been no delay by Central Electricity Authority in the identification process of power projects.

**Statement**

*Details of Power Projects under construction an expected to be commissioned during the next three years*

| S.No. | Name of the Project/Location | Capacity (MW) |
|---|---|---|
| | *Thermal* | |
| | *Northern Region* | |
| 1. | Waste Heat Recovery Unit 2 & 3 (DESU) (Delhi) | 2×34 |
| 2. | Panipat St. IV Unit 6 Karnal (Haryana) | 210 |
| 3. | GNDTP Bhatinda St. III 5 & 6 Bhatinda (Punjab) | 2×210 |
| 4. | Suratgarh – 1 & 2, Ganga Nagar (Rajasthan) | 2×250 |
| 5. | Ramgarh GT Extn. Jaisalmer (Rajasthan) | 35.5 |
| 6. | Tanda Unit - 4, Faizabad (Uttar Pradesh) | 110 |
| | *Western Region* | |
| 1. | Kutch Lignite Unit-3, Kutch (Gujarat) | 75 |
| 2. | Uran Waste Heat Unit-3, Raigad (Maharashtra) | 120 |
| 3. | Chandrapur TPP Unit-7, Chandrapur (Maharashtra) | 500 |
| 4. | Sanjay Gandhi PP Unit-3 & 4, Shahdol (Madhya Pradesh) | 2×210 |
| | *Southern Region* | |
| 1. | Rayalseema St. II, Cuddapah (Andhra Pradesh) | 2×210 |
| 2. | Kothagudam TPP St. V, Khammam (Andhra Pradesh) | 2×250 |
| 3. | Brahampuram DG Sets, Earnakulam (Kerala) | 5×20 |
| 4. | Karaikal Combined Cycle Project, Pattinam (Kerala) | 3×5 GT+ 1×7.5ST |
| 5. | North Madras TPP 3, Chinglaput (Tamil Nadu) | 210 |
| 6. | Basin Bridge GT, Madras (Tamil Nadu) | 4×30 |
| | *Eastern Region* | |
| 1. | Tenughat Unit-2, Giridih (Bihar) | 210 |
| 2. | Tenughat St. II Unit 3 & 4, Giridih (Bihar) | 2×210 |
| 3. | Khalgaon STPS (NTPC) Unit-4, Bhagalpur (Bihar) | 210 |
| 4. | Mejia– 1,2,3 (DVC), Bankura (West Bengal) | 3×210 |
| 5. | Farakka St. III (NTPC) Unit-6, Murshidabad (West Bengal) | 500 |
| 6. | Ib Valley Ph. I (OPGC) Unit-2, Jharsuguda (Orissa) | 210 |
| 7. | Talcher STPP Unit-2, Dhenkanal (Orissa) | 500 |

| S. No. | Name of the Project/Location | | Capacity (MW) |
|---|---|---|---|
| | *North Eastern Region* | | |
| 1. | Kathalguri CCGT (NEEPCO) | GT– 4, 5 & 6 . . . . GT : | 3×33.5 |
| | Dibrugarh (Assam) | ST– 1, 2 & 3 . . . +ST : | 3×30 |
| 2. | Rokhia GT, West Tripura (Tripura) . . . . . | | 2×8 |
| | *Private/joint Sector* | | |
| 1. | Barsingsar Lignite, Bikaner (Rajasthan) . . . . . | | 2×210 |
| 2. | Pench TPP, Chindwara (Maharashtra) . . . . . | | 2×210 |
| 3. | Korba West , Bilaspur (Madhya Pradesh) . . . . . | | 2×210 |
| 4. | Khaperkheda– 3 & 4, Nagpur (Maharashtra) . . . . . | | 2×210 |
| 5. | Visakhapatnam , (Andhra Pradesh) . . . . . | | 2×500 |
| 6. | Neyeli Zero, Sourth Arcot (Tamil Nadu) . . . . . | | 1×210 |
| 7. | Budge Budge, South Paragana (West Bengal) . . . . . | | 2×250 |
| 8. | Ib Valley Ph. II, Jharsuguda (Orissa) . . . . . | | 2×210 |
| 9. | Amguri CCGT, Sibsagar (Assam) . . . . . | GT : | 8×30 |
| | | + ST : | 4×30 |
| | *Hydel* | | |
| | *Northern Region* | | |
| 1. | Dadupur, Yamuna Nagar (Haryana) . . . . . | | 4×1.5 |
| 2. | Baner, Kangra (Himachal Pradesh) . . . . . | | 3×4 |
| 3. | Gaj, Kangra (Himachal Pradesh) . . . . . | | 3×3.5 |
| 4. | Thirot, Lahaulspiti (Himachal Pradesh) . . . . . | | 3×1.5 |
| 5. | Upper Sindh-II, Srinagar (Jammu & Kashmir) . . . . . | | 2×35 |
| 6. | Kargil, Kargil (Jammu & Kashmir) . . . . . | | 3×1.25 |
| 7. | Uri, Baramula (Jammu & Kashmir) . . . . . | | 4×120 |
| 8. | Ranjit Sagar, Gurdaspur (Punjab) . . . . . | | 4×150 |
| 9. | Sobla, Pithoragarh (Uttar Pradesh) . . . . . | | 2×3 |
| 10. | Tehri St. I, Tehri (Uttar Pradesh) . . . . . | | 4×250 |
| | *Western Region* | | |
| 1. | Kadana PSS Extn., Panchmaal (Gujarat) . . . . . | | 2×60 |
| 2. | Sardar Sarover, Bharuch (Gujarat) . . . . . | | 6×200 +5×50 |

| S. No. | Name of the Project/Location | Capacity (MW) |
|---|---|---|
| 3. | Rajghart, Lalitpur / Guna (U.P./M.P.) | 3×15 |
| 4. | Surya, Thane (Maharashtra) | 1×6 |
| 5. | Bhandardara St. II. Ahmednagar (Maharashtra) | 1×34 |
| 6. | Warna, Sangli (Maharashtra) | 2×8 |
| 7. | Koyna St. IV, Ratnagiri (Maharashtra) | 4×250 |
| 8. | Dudhganga, Kolhapur (Maharashtra) | 2×12 |
| 9. | Dimbhe, Pune (Maharashtra) | 1×5 |
| *Southern Region* | | |
| 1. | Srisailam LBPH, Karnool (Andhra Pradesh) | 6×150 |
| 2. | Singur, Medak (Andhra Pradesh) | 2×7.5 |
| 3. | Kalinadi St. II, North Kanara (Karnataka) | 3×40 +3×50 |
| 4. | Brindavan; Mandya (Karnataka) | 2×6 |
| 5. | Bhadra RBC, Shimoga (Karnataka) | 1×6 |
| 6. | Sharavathi T.R.. North Kanara (Karnataka) | 4×60 |
| 7. | Lower Periyer, Idukki (Kerala) | 3×60 |
| 8. | Malankara. Idukki (Kerala) | 2×3.5 |
| 9. | Kakkad, Quilon (Kerala) | 2×25 |
| 10. | Poringalkuthu LB Extn., Trichur (Kerala) | 1×16 |
| 11. | Anakkayam, Trichur (Kerala) | 2×4 |
| 12. | Lower Bhawani Dam, REC, Periyar (Tamil Nadu) | 2×4 |
| 13. | Sathanur Dam, Sambuvarayar (Tamil Nadu) | 1×7.5 |
| *Eastern Region* | | |
| 1. | Eastern Gandak, West Champaran (Bihar) | 3×5 |
| 2. | Sone Easter Canal, Aurangabad (Bihar) | 2×1.65 |
| 3. | Chandil, Singhbhum (Bihar) | 2×4 |
| 4. | North Koel, Palamu (Bihar) | 2×12 |
| 5. | Upper Indravati, Nowarang & Kalahandi (Orissa) | 4×150 |
| 6. | Potteru, Koraput (Orissa) | 2×3 |
| 7. | Rammam St. II, Darjeeling (West Bengal) | 4×12.5 |
| 8. | Teesta Falls. I to IV, Darjeeling & West Dirlajpur (West Bengal) | 3×3×7.5 |

| S. No. | Name of the Project/Location | Capacity (MW) |
|---|---|---|
| | *Norther Eastern Region* | |
| 1. | Nurananga, Tawang (Andhra Pradesh) | 3×2 |
| 2. | Ranganadi, L. Subansiri (Andhra Pradesh) | 3×135 |
| 3. | Dhansiri, Darrang (Assam) | 20 |
| 4. | Kopilit Extn., Assam Malib (Assam) | 2×50 |
| 5. | Ranjit-III. West Sikkam (Sikkam) | 3×20 |
| 6. | Doyang, Wokha (Nagaland) | 3×25 |
| | *Private Sector* | |
| 1. | Guntur Br. Canal-I, Guntur (Andhra Pradesh) | 2×2 |
| 2. | Guntur Br. Cannal-II, Guntur (Andhra Pradesh) | 2×2.25 |

**MOUs signed on power projects by Andhra Pradesh Government**

3473. SHRI CHIMANBHAI MEHTA: Will the Minister of POWER be pleased to state:

(a) whether it is a fact that Andhra Pradesh Government has signed MOUs on power projects wthout going for competitive bidding thus defying the Central Government's guidance;

(b) if so, what is the response of Government thereto; and

(c) the details of number of MOUs signed alongwith the quantum of investment?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI URMILABEN CHIMANBHAI PATEL): (a) to (c) The Government of India has made competitive bidding mandatory for soliciting private power projects through instructions issued on 18th January, 1995. Hoever the cut-off date has been kept as 18th February, 1995. As per the information received from the Government of Andhra Pradesh, the details of the MOUs signed are given in the Statement.

**Statement**

*Details of expression of interests by Private Sector Companies (with MOU date)*

| Sl. No. | Name of Project | Capacity (MW) | Prov. cost (Rs.Crs.) | Type | MOU date | Name of company |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | *Andhra Pradesh* | | | | | |
| 1. | Bhoopalapally | 120 MW | 420.000 | Coal | 18-02-95 | Lewis Stanley Associates Inc. |
| 2. | Cuddapah | 420 MW | 1470.000 | Coal | 18-02 95 | Lewis Stanley Associates Inc. |
| 3. | East Godavari | 100 MW | 350.000 | Furnaceoil | 18-02-92 | Rayalaseema Petro Chemicals Ltd. |
| 4. | Godavari | 208 MW | 748.430 | Gas/Naptha | 07-09-92 | Spectrum Tech. USA/ Jaya Foods & NTPC |
| 5. | Gopalpally | 250 MW | 875.000 | Coal | 18-02-95 | Orient Paper & Industries |
| 6. | Hyderabad | 200 MW | 700.000 | Furnaceoil | 18-02-95 | Balaji Hotel & Enterprises Ltd. |
| 7. | Hyderabad | 200 MW | 700.000 | LSHS | 18-02-95 | G.M.R. Vasavi Industries Ltd. |